

REMARKS

Applicant has carefully reviewed and considered the Office Action mailed on January 14, 2003, and the references cited therewith.

Claims 1, 15 and 20 are amended, claim 2 is canceled, and claim 21 is added. As a result, claims 1, 5-7, and 15-21 are now pending in this application.

Affirmation of Election

As provisionally elected by Applicant's representative, Bradley A. Forrest, Applicant elects to prosecute the invention of Group II, directed to the species of Figure 2, thought to correspond to claims 1-2, 5-8 and 15-20. However, amendments to independent claim 1 are believed to place claim 1 in condition for allowance, as well as all claims which depend therefrom. Since claims 3, 4, and 8 depend from claim 1, they are also allowable without further search required. Therefore, it is requested that such claims be reinstated.

§102 and §103 Rejection of the Claims

Claims 1 and 2 were rejected under 35 USC § 102(b) as being anticipated by Kusunoki (US 5,471,656). This rejection is respectfully traversed on the grounds the Kusunoki does not show each and every element of claim 1 as amended.

Claim 1 was amended to recite that the "the bias signal is removed when the magnitude of the input signal reaches a predetermined threshold". This is clearly not shown in Kusunoki. Kusunoki recites that the bias voltage becomes low, not that it is removed as claimed. The bias voltage in Kusunoki is applied to an adder 15, which also "receives a control signal voltage from the main controller 14 at its second input terminal, thereby obtaining a sum of the gate bias voltage and the control signal voltage to output the sum voltage." Col. 4, lines 37-40. It is clearly not "removed" if it falls below a threshold as recited in claim 1. Thus, the rejection should be withdrawn.

Claim 20 was rejected under 35 USC § 102(b) as being anticipated by Faulkner et al. (US 5,420,536). This rejection is respectfully traversed on the grounds the Faulkner et al. does not

show each and every element of the claim as amended. Claim 20 was amended to indicate that the bias signal is in an on or off state. Faulkner et al. does not contain teaching of the bias signal being in an on or off state, and the rejection should be withdrawn.

Claims 5-7 were rejected under 35 USC § 103(a) as being unpatentable over Kusunoki (US 5,471,656) in view of Pan et al. (US 5,920,596). Claims 5-7 depend from a claim which is now believed allowable. As such, these claims should also be allowed.

Claims 15, 17 and 18 were rejected under 35 U.S.C. §102(b) as anticipated by or, in the alternative, under 35 U.S.C. § 103(a) as obvious over Faulkner et al. (US 5,420,536). This rejection is respectfully traversed. Claim 15 was amended to include a reference to text relating to a FIFO buffer from claim 16 which was indicated to be allowable if rewritten in independent form. As such, claims 15, 17 and 18 are believed allowable.

Claim 19 was rejected under 35 USC § 103(a) as being unpatentable over Faulkner et al. (US 5,420,536) in view of Kusunoki (US 5,471,656). Claim 19 depends from claim 15, which is now believed allowable as amended.

Allowable Subject Matter

Claim 16 was objected to as being dependent upon a rejected base claim, but was indicated to be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. It is amended, since the patentable feature indicated in the office action has been incorporated into independent claim 15.



2817

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Trevor A. Page

Title: GATE MODULATION FOR HIGH POWER AMPLIFIERS

Docket No.: 778.042US1

Serial No.: 09/888823

Filed: June 25, 2001

Due Date: April 14, 2003

Examiner: Michael B. Shingleton

Group Art Unit: 2817

BOX NON-FEE AMENDMENT

Commissioner for Patents

Washington, D.C. 20231

We are transmitting herewith the following attached items (as indicated with an "X"):

A return postcard.
 An Amendment and Response Under 37 CFR 1.111 (7 Pages).

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: Bradley A. Forrest
Atty: Bradley A. Forrest
Reg. No. 30,837

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: BOX NON-FEE AMENDMENT, Commissioner for Patents, Washington, D.C. 20231, on this 8 day of April, 2003.

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Conclusion

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney (612-373-6972) to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

TREVOR A. PAGE

By his Representatives,

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Date 4-8-2003

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